

A NOVEL FABRIC-BASED SENSOR FOR MONITORING VITAL SIGNS

ABSTRACT

The present invention comprises a fabric-based sensor for monitoring vital signs or other electrical impulses of a subject. The sensor is woven or knitted from conductive fibers and, when in contact with the body, receives signals from the wearer and transmits them to a processing or monitoring device through a data-output terminal. The sensor may be integrated into the fabric of a garment or used independently as a conductive patch. Additionally, the sensor may provide bi-directional communication by both monitoring electrical impulses and sending them.

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